Built in Freezer Service Manual

Factory MODEL : RS-12DC4SQ

DSG Model: CIF55W10

SKU: 235179

Content

1.Safety precautions …….…….3~4

2.Remove the package & installation.……..…5~5

3.Building in……...…….……..6~7

4. Specification……...……...……..…....8~8

5. Parts identification……...……...…….…..9~9

6.Cooling system diagram…….……..…….10~10

7.Circuit diagram……..……...11~11

8.Maintenance service and Troubleshooting ……...……...12~12

9.Quality information report…….…….13~13

10.Exploded view and part list……17~21

1. Safety precautions

Important safety instructions

These warnings are provided in the interests of your safety. Ensure you fully understand them before installing or using the appliance.
Your safety is of paramount importance. If you are unsure about the meaning of these warnings contact the Customer Care Department for assistance.

Intended use
The freezer is intended for use in the home. It is suitable for the storage of food at low temperature. If the appliance is used for purposes other than those intended or used incorrectly, no liability can be accepted by the manufacturer for any damage that may be caused.

Alterations or changes to the refrigerator are not permitted for reasons of safety.

If you use the refrigerator in a commercial application or for purposes other than the cooling of foods, the manufacturer accepts no liability for any damages that may occur.

Prior to initial start-up
Check the appliance for transport damage. Under no circumstances should a damaged appliance be plugged in. In the event of damage, please contact your supplier.

Refrigerant

The refrigerant isobutene (**R600a**) is contained within the refrigerant circuit of the appliance, a natural gas with a high level of environmental compatibility, which is nevertheless flammable.

During transportation and installation of the appliance, be certain that none of the components of the refrigerant circuit become damaged.

If the refrigerant circuit should become damaged:

avoid open flames and sources of ignition, thoroughly ventilate the room in which the appliance is situated.

The instructions shall include the warnings:
WARNING—Keep ventilation openings, in the appliance enclosure or in the built-in structure, clear of obstruction.
WARNING—Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.
WARNING—Do not damage the refrigerant circuit.

WARNING—Do not use electrical appliances inside the food storage compartments of the recommended by the manufacturer.
WARNING—The appliance is not intended for use by young children or infirm persons without supervision.
WARNING—Young children should be supervised to ensure that they do not play with the appliance.
WARNING—Please keep the appliance away from substance, which can cause ignition.
WARNING—If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard.
WARNING---before obtaining access to terminals, all supply circuits must be disconnected.
WARNING---Please remove the door before you dispose your refrigerant.

Safety of children

Packaging (e.g. wraps, polystyrene) can be dangerous for children.

There is a risk of suffocation! Keep packaging material away from children!

Make old appliances unusable prior to disposal. Pull out the mains plug, cut off the mains cable, break or remove spring or bolt catches, if fitted. By doing this you ensure that children cannot lock themselves in the appliance when playing (there is risk of suffocation!) or get themselves into other dangerous situations.

Often children cannot recognize the hazards present in household appliances. It is therefore important that you ensure adequate supervision and never let children play with the appliance!

Daily Operation

Containers with flammable gases or liquids can leak at low temperatures. There is a risk of an explosion! Do not store any containers with flammable materials such as spray cans, fire extinguisher refill cartridges etc in the freezer.
Do not operate any electrical appliances in the freezer (e.g. electric ice cream makers, mixers etc.).
Before cleaning the appliance, always switch off the appliance and unplug it, or pull the house fuse or switch off the circuit breaker.
When unplugging always pull the plug from the mains socket, do not pull on the cable.

In case of malfunction

If a malfunction occurs on the appliance, please look first in the "Trouble shooting" section of these instructions. If the information given there does not help, please do not perform any further repairs yourself.
Under no circumstance should you attempt to repair the appliance yourself. Repairs carried out by inexperienced persons may cause injury or serious malfunctioning. Contact your local AEG Service Force Center.

2. Remove the package & installation

Remove transport packaging

The appliance and the interior fittings are protected for transportation. Pull off the adhesive tape on the left and right side of the door. You can remove any remnants of adhesive using white spirit. Remove all adhesive tape and packing pieces from the interior of the appliance.

Installation

Installation Location

Before installing, carefully read the instruction in the end in order to avoid a certain number of problems.
If you want to move your freezer, hold it by the sides or by the base. You should never lift it by its top.
Install the appliance in a dry, well-ventilated room, away from all source of heat.
Leave a minimum gap of 10cm between the top of the freezer and any wall-mounted kitchen units. If this is impossible, leave 5cm above the appliance and 2.5cm on each side of the appliance.
Make sure that the air vents on your freezer are not covered or blocked.

Electrical connection

Connector characteristics: 220-240V with earth.
Avoid using adapters or extension leads.
Avoid the cable coming into contact with the compressor.
Avoid trapping the cable under the appliance.

The appliance's electrical installation is earthed. For your safety, connect the appliance to a power outlet with effective earthing (in conformity with current electrical installation safety standards).
The manufacture declines all liability for damage caused by the absence of an earth connection.

Warning: to avoid a hazard due to instability of the appliance, it must be fixed according to the instructions:

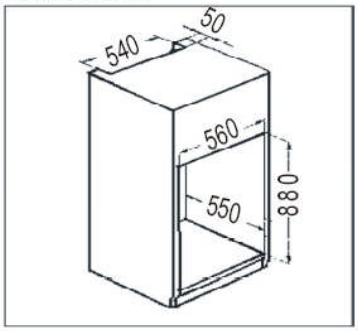
3. Building in

Building in

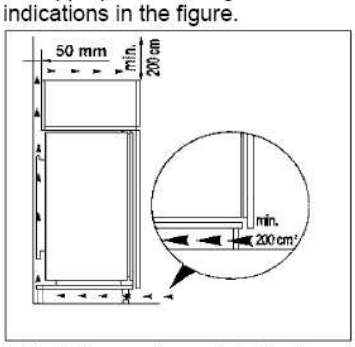
Dimensions of the recess

Height of housing mm 880
Depth of housing mm 550
Width of housing mm 560

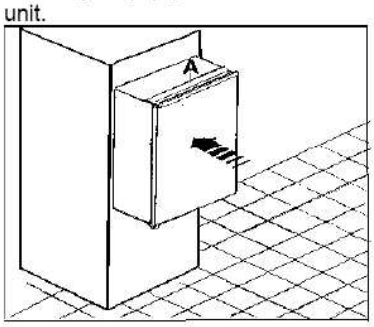
It is necessary that the cabinet has a ventilation recess with the following dimensions :
Depth 50mm
Width 540 mm



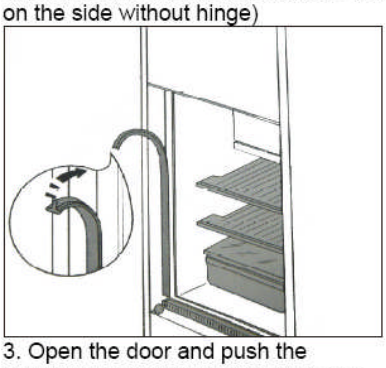
For appropriate venting, follow indications in the figure.



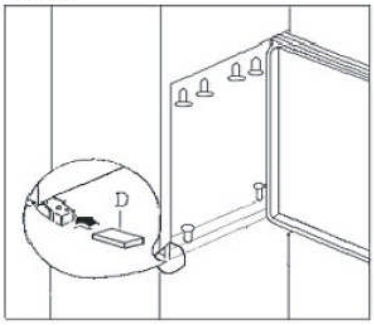
1.Push the appliance into the housing until stop strip (A) touches the kitchen unit.



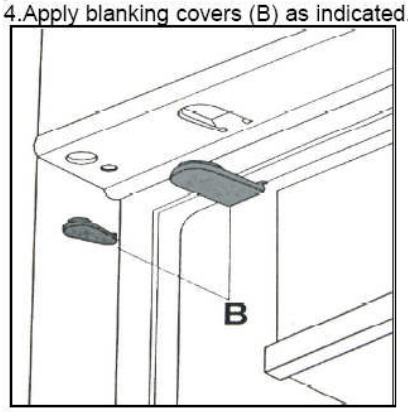
2.Press in the joint covers between the appliance and the kitchen furniture (only on the side without hinge)



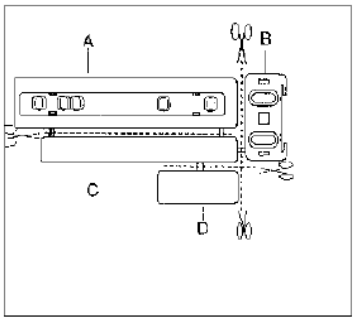
3. Open the door and push the appliance against the side of kitchen furniture opposite to that of appliance hinges. Fasten the appliance with 6 screws provided in the kit included with the appliance. Snap hinge cover (D) into position.



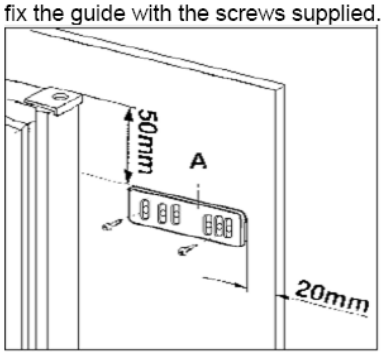
4.Apply blanking covers (B) as indicated.



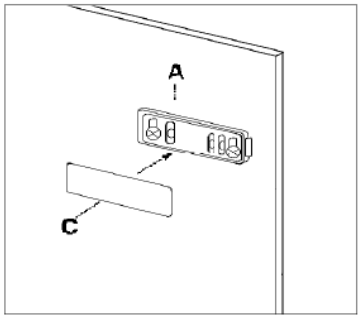
5. Separate parts A,B,C,D as shown in the figure.



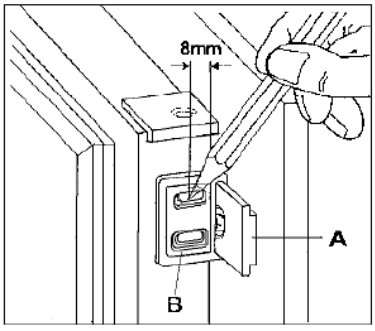
6. Place guide (A) on the side part of the furniture door, up and down as shown in the figure and mark the position of external holes. After having drilled holes, fix the guide with the screws supplied.



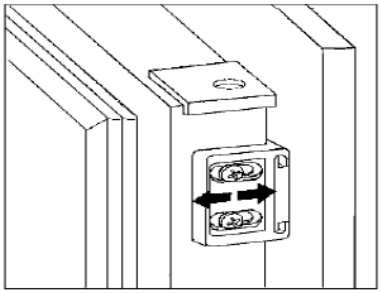
7. Fix cover (C) on guide (A) until it clips into place.



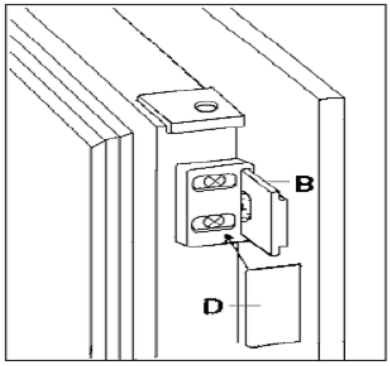
8. Open the appliance door and the furniture door at 90 ◦ .Insert the small square (B) into guide (A) .Push together the appliance door and the furniture door and mark the holes as indicated in the figure remove the squares and drill holes with ϕ 2 mm at 8 mm from the outer edge of the door . Place the small square on the guide again and fix it with the screws supplied.



9. Should the lining up of the furniture door be necessary , use the clearance of slots .At the end of operations, it is necessary to check the door of the furniture closes properly.



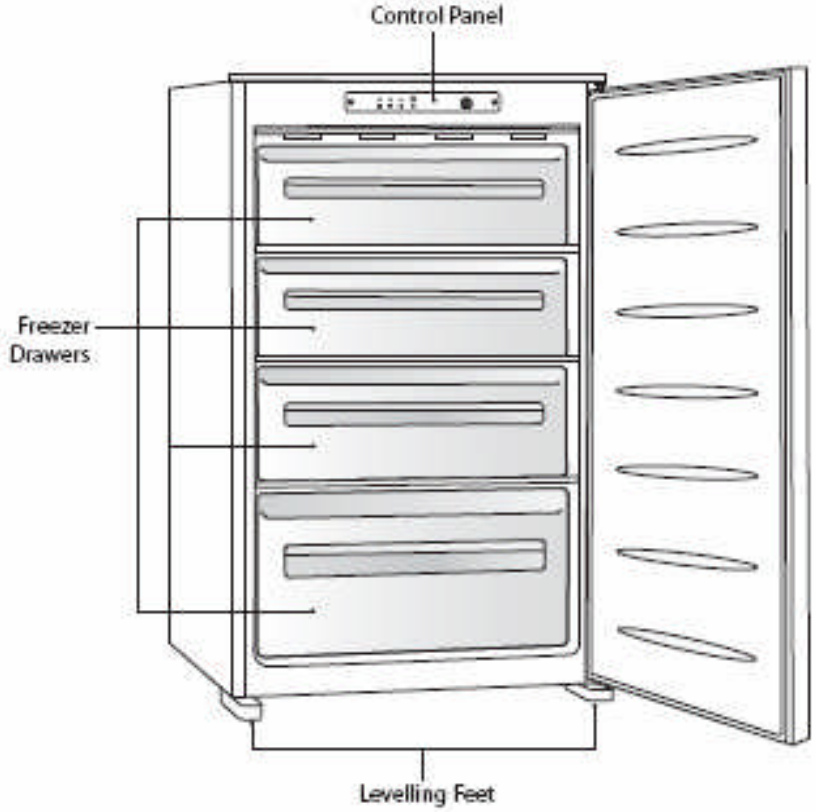
10. Fix cover (D) on guide (B) until it clips into place.



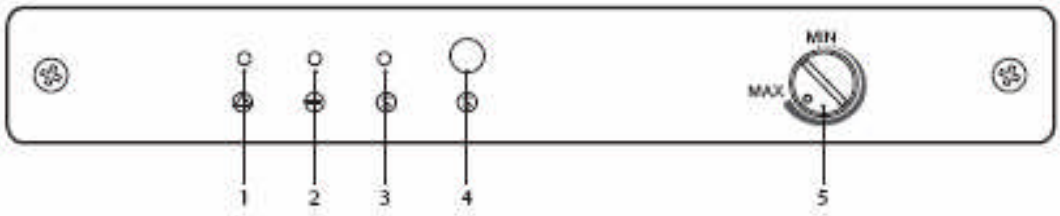
4.Specification

models	***RS-12DC4SQ***
net capacity (L)	*95*
color	*white*
power supply(V/Hz)	*220-240*
rated input power (W)	*80*
net weight (kg)	*41*
gross weight(kg)	*46*
*unit dimension (D*W*H)(mm)*	*545X540X872*
*packing dimension (D*W*H)(mm)*	*570X570X928*
container quantity (PCS)	*218*
pise	*40*

5.Parts identification



Control Panel Overview



1. Freezer Warning Indicator (Red)
2. Pilot Light (Green)
3. Fast Freezing Indicator (Yellow)
4. Fast Freezing Button
5. Thermostat Control Dial

6.Cooling system diagram

when the refrigeration is just powered on. The refrigerant flows in the sequence: Compressor Condenser Dry filter Capillary tube Evaporator .

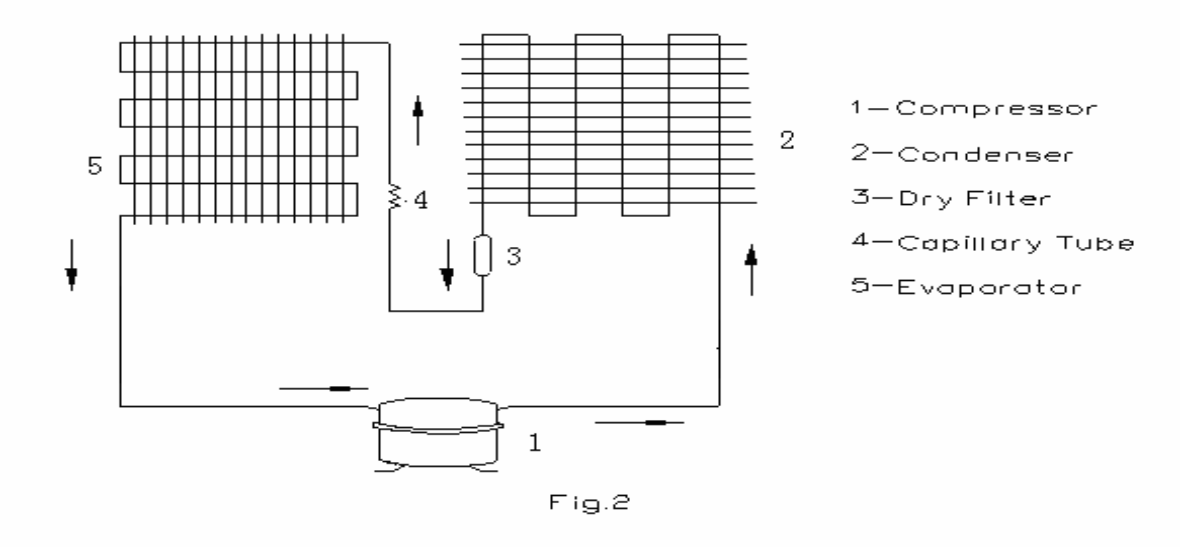
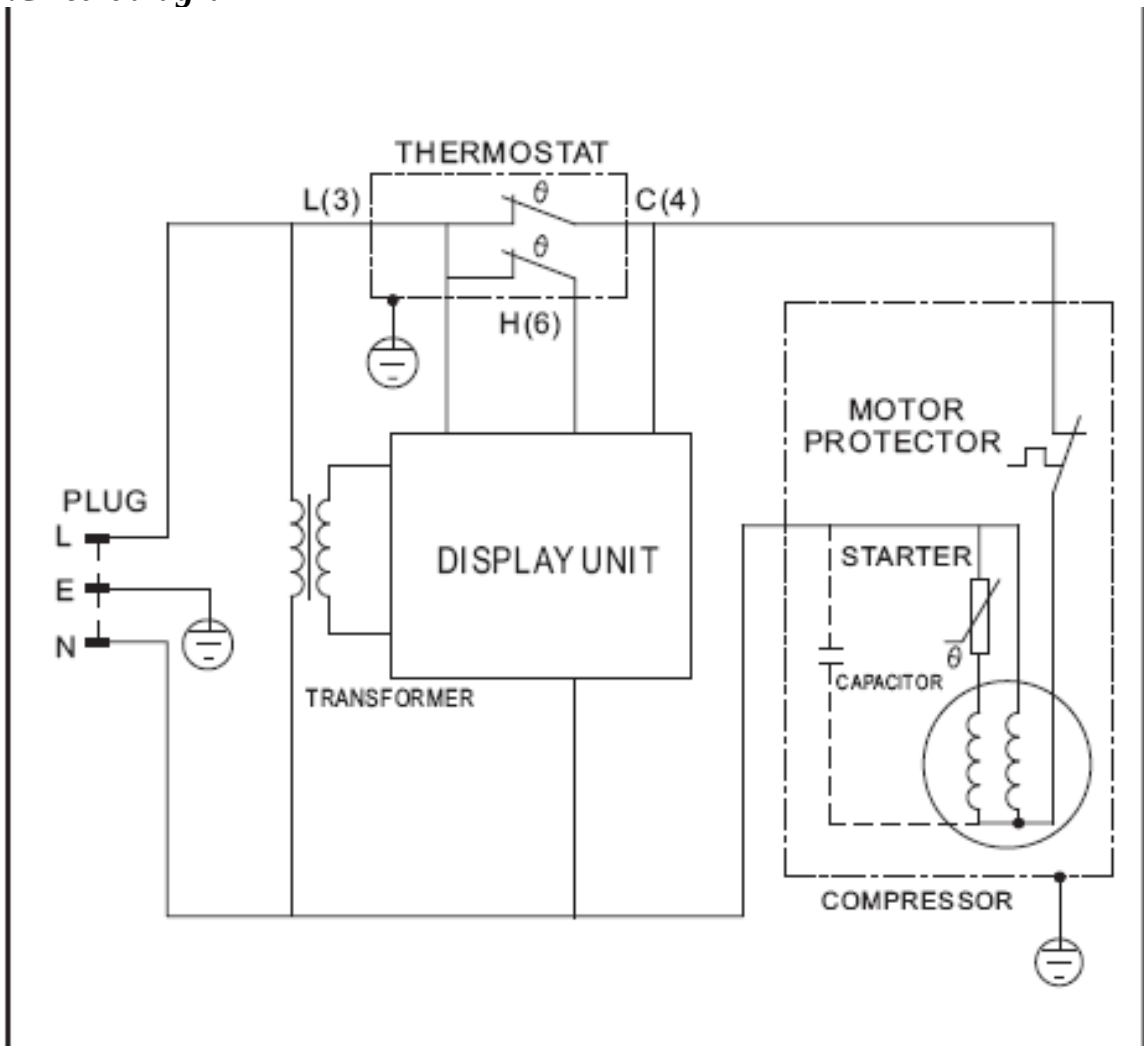


Fig.2

7.Circuit diagram



8. Maintenance service and Troubleshooting

Trouble shooting

Correcting Malfunctions

A malfunction may be caused by only a minor fault that you can rectify yourself using the following instructions. Do not perform any other work on the appliance if the following information does not provide assistance in your specific case.

Important!
Repairs to freezers may only be performed by competent service engineers. Improper repairs can give rise to significant hazards for the user. If your appliance needs repairing, please contact your specialist dealer or your local Service Force Center.

Symptom	Possible Cause	Remedy
Appliance does not work.	Appliance is not switched on.	Switch on the appliance.
	Mains plug is not plugged in or is loose.	Insert mains plug.
	Fuse has blown or is defective.	Check fuse, replace if necessary.
	Socket is defective.	Mains malfunctions are to be corrected by an electrician.
Appliance cools too much.	Temperature is set too cold.	Turn the temperature regulator to a warmer setting temporarily.
The food is too warm.	Temperature is not properly adjusted.	Please look in the “initial Start Up” section.
	Door was open for an extended period.	Open the door only as long as necessary.
	A large quantity of warm food was placed in the appliance within the last 24 hours.	Turn the temperature regulation to a colder setting temporarily.
	The appliance is near a heat source.	Please look in the “installation location” section.
Interior lighting does not work.	Light bulb is defective.	Please look in the “changing the Light Bulb “section.
Heavy build-up of frost, possibly also on the door seal.	Door seal is not air-tight(possibly after reversing the door).	Carefully warm the leaking sections of the door seal with a hair dryer(on a cool setting). At the same time shape the warmed door seal by hand such that it sits correctly.
Unusual noises.	Appliance is not level.	Readjust the feet.
	The appliance is touching the wall or other objects.	Move the appliance slightly.
	A component, e.g. a pipe, on the rear of the appliance is touching another part of the appliance or the wall.	If necessary, carefully bend the component out of the way.
The compressor does not start immediately after changing the temperature setting.	This is normal, no error has occurred.	The compressor starts after a period of time.
Water on the floor or storage shelves.	Water drain hole is blocked.	See the “cleaning and care” section.

7. Quality information report

Quality information

Thank you very much for purchasing our products. In order to provide you with more satisfied products, please kindly fill in the questionnaire as the items indicated below. We shall strive for best to optimize our products based on your suggestion。

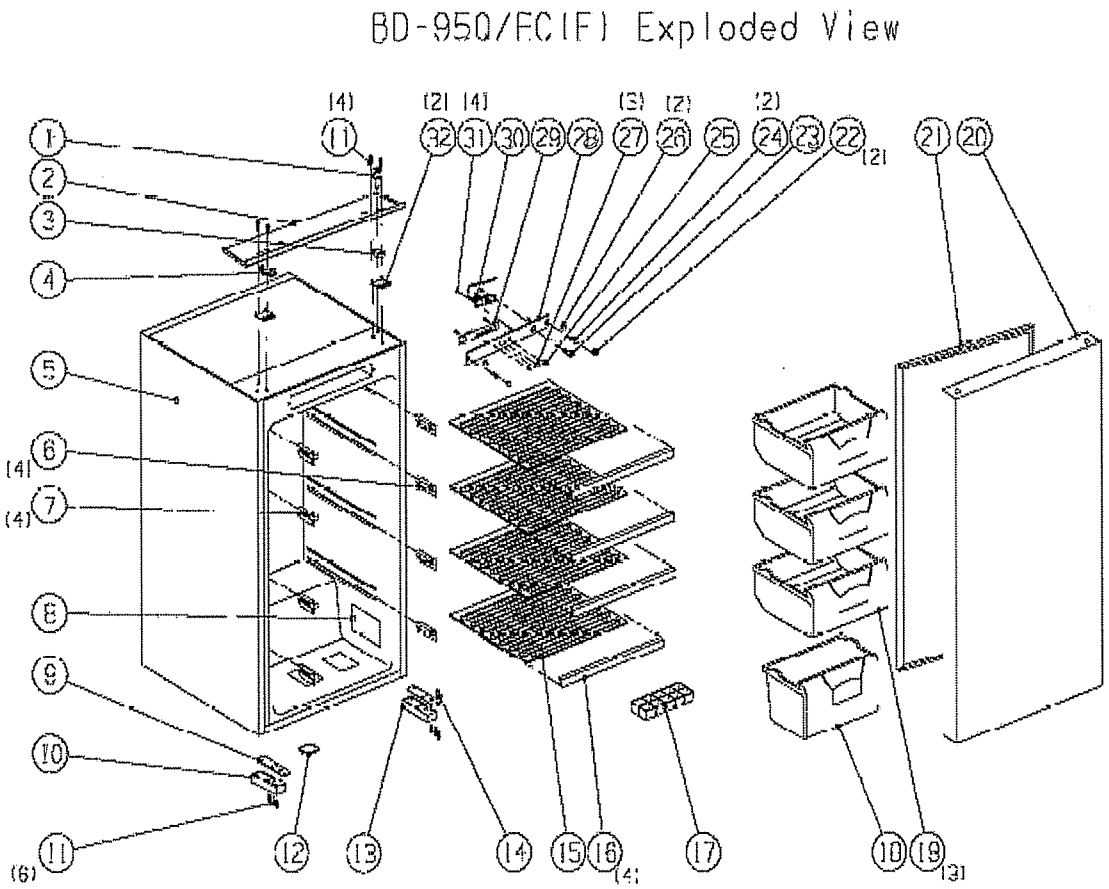
Client name					
Sale area					
Date					
No.	*Product model*	*Quality problem describe*	*Service result*	*Quantity /rate*	*Factory serial No.*
1					
2					
3					
4					
5					
6．Quality problem of whole sale product: detail descriptions					
client suggest：					
Factory activity：					

8.Exploded view and part list

8.1 Exploded view

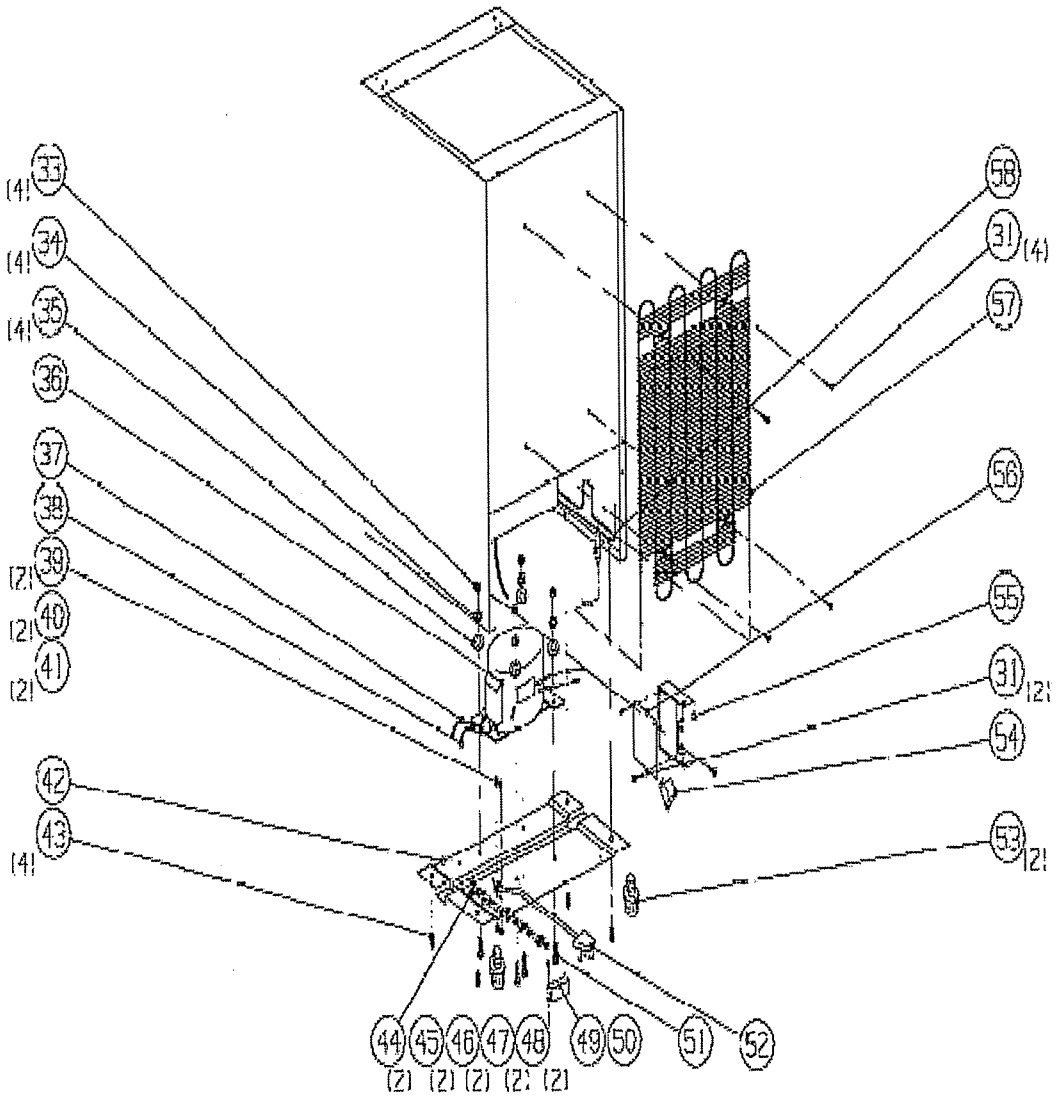
2007-05-28

共2页 第1页



2007-05-28
共2頁 第2頁

BD-950/FCIEI Exploded View



編輯	設計者	審核	廖修文	會簽		主管審查	核定者	批准	發行者

8.2 part list

CIF55W10 RS-12DC4SQ PART LIST (220V~240V/50Hz)

NO.	PART NO.	PART NAME	NEW PRICE(USD)	QUANTITY	DRAWING NO.	PART NAME
1	9120400551	Upper hinge core	0.3	1	BCD275/HC(E).00.01-03	上门铰芯
2	9101300792	Connecting plate	2.1	1	BCD275/HC(E).00.01-01	连接顶板
3	9120400550	Hinge core connecting block	0.1	2	BCD275/HC(E).00.01-02	铰芯连接块
4	9210200699	Upepr hinge cover	0.1	1	BCD275/HC(E).00-13	上门铰盖
5	9100101307	Box body		1	BD95Q/HC(E).08-00	箱体
6	9120900218	Right limit block	0.2	4	BCD218AY3.00-03	上右限位块
7	9120900219	Left limit block	0.2	4	BCD218AY3.00-04	上左限位块
8	~~9190201979~~	~~electrical diagram~~	~~—~~	~~1~~	~~BD95Q/HC(E).00-01~~	~~电路图铭牌~~
9	9110200565	Lower hinge pad	0.6	1	BCD275/HC(E).00.05-02	下门铰座
10	9110200666	Left support	0.6	1	BC215/HC(E).00-05	左支承
11	1701183	Flange screw M5x16	0.1	10	BDG36-20	法兰面螺钉 M5x16
12	9210200694	Lower hinge cover	0.1	1	BCD275/HC(E).00-11	下门铰盖
13	9110200665	Right support	0.6	1	BC215/HC(E).00.03-01	右支承
14	9120400558	Lower hinge parts	0.6	1	BCD275/HC(E).00.05-00	下门铰部件
15	9130100805	Floor evaporator	18.0	1	BD95Q/HC(E).00.02-00	F 蒸发器
16	9180100317	Decoration clip	0.5	4	BCD275/HC(E).00-02	装饰卡条
17	21033	Ice tray	0.6	1	T00-01	冰格
18	9210800350	Lower drawer	6.5	1	BCD275/HC(E).00-05	下抽屉
19	9210800349	Upepr drawer	7.0	3	BCD275/HC(E).00-03	上抽屉
20	9100502491	Door	17.0	1	BD95Q/HC(E).03-00	门
21	9160100486	Door gasket	3.5	1	BD95Q/HC(E).03.01-00	门封
22	17011	Screw cover	0.1	2	T00-16	螺钉盖
23	9141000169	Temperature control knob	0.15	1	BD175/HC(E).00-01	温控器旋钮
24	1701143	Screw ST4x12	0.1	2	GB845-76	自攻螺钉 4x12
25	170411	Step round-pad	0.1	2	T08-06	台阶垫圈
26	9140800249	Key	0.1	1	BD175/HC(E).00.01-03	按键
27	9211000159	Leak pole	0.1	3	BD175/HC(E).00.01-02	导光柱

28	9140800446	Control panel	3.5	1	BD95Q/HC(E).00.01-01	控制面板
29	9140800248	Display board	4.5	1	BDG24-60	显示模块
30	9140700291	Thermostat	5.0	1	WPF33S-95	温控器
31	17013	Screw ST4.2x13	0.1	10	GB845-85	自攻螺钉 ST4.2x13 镀锌钝化
32	9210200695	Connecting plate cover	0.1	2	BCD275/HC(E).00-12	连接顶板螺钉盖
33	170355	Screw nut	0.1	4	GB6175-86	螺母 M6
34	17044	Round-pad	0.1	4	GB96-85	垫圈 6
35	17042	Round-pad	0.1	4	GB93-87	垫圈 6
36	55950	Compressor	48.0	1		压缩机
37	915010025	Compressor ground wire	0.3	1	BDG34-00	压缩机接地线
38	915010026	Compressor connecting wire	0.8	1	BDG35-00	压缩机连接线
39	1701180	Screw nail M5 x12	0.1	2	GB818-85	螺钉 M5 x12 镀锌钝化
40	17034	Screw nut M5	0.1	2	GB6170-86	螺母 M5 镀锌钝化
41	17043	Round-pad 5	0.1	2	GB96-85	垫圈 5 镀锌钝化
42	9110800276	Compressor base parts	3.60	1	BCD275/HC(E).00.08-00	压缩机托板部件
43	170261	Screw assembly M6 x16	0.1	4	BDG36-03	组合螺栓 M6x16
44	170110	Screw nail M5 x12	0.1	2	GB818-85	螺钉 M5 x12 H62
45	170462	Round-pad 5	0.1	2	GB862.1-87	外齿锁紧垫圈 5 65Mn
46	9170400106	Round-pad5(H62)	0.05	2	GB95-85	垫圈 5 H62
47	170414	Round-pad5(65Mn)	0.05	2	GB93-87	垫圈 5 65Mn
48	6170300013	Screw nut M5	0.1	2	GB/T 6170-85	螺母 M5 H62
49	9101300702	Ground wire cover	0.15	1	T00-79	接地线盖
50	170113	Screw ST4.2x9.5	0.1	1	GB845-85	自攻螺钉 ST4.2x9.5 镀锌钝化
51	17023	Screw bolt M6x30	0.1	4	GB5783-86	螺栓 M6x30 镀锌钝化
52	1501280	Power supply cord with plug	4.5	1	TB00.02A-00(C)	双圆插电源线
53	9110400131	Front leg	0.3	2	TB00.01C-00	前脚
54	9140500097	Transformer	5.0	1	BDG14-19	变压器
55	9210200651	Junction box parts	1.5	1	BD85C/HC(E).00.02-00	安装盒部件
56	9210200558	Cover of junction box	0.2	1	BCD168W.00.07-02	安装盒盖
57	9130200479	Backside condensator	10.0	1	BD85C/HC(E).00.01-00	后背式冷凝器
58	13061	Drier filter	2.5	1	BDG27-05	干燥过滤器
59	DSGCSS95	Instruction Manual	0.4	1		说明书
60	IG5510	Installation Guide	0.1	1		安装指导附页